

2nd Inflammation Network Day

31th August 2022 @ 9:00-16:10
The AIAS Auditorium, Aarhus University
Høegh-Guldbergs Gade 6B, 8000 Aarhus C

08:30 – 09:00 Welcome coffee and registration

09:00 – 09:05 **Welcome remarks** Trine Mogensen, Managing Professor of the Inflammation Network

09:05 – 09:10 **Opening of meeting** Hans Erik Bøtker, Vice-Dean for Research, Health, Aarhus University

SESSION 1 (chair: Martin Kristian Thomsen)

09:10 – 09:40 **Keynote: Disentangling autoinflammation from ADA2 to COPA** Isabelle Meyts, Professor, University Hospital Leuven and KU Leuven, Belgium

09:40 – 10:10 **Keynote: License to stay: How herpesviruses disrupt, evade and exploit their hosts** Melanie Brinkmann, Professor, Technische Universität Braunschweig and Helmholtz Centre for Infection Research, Germany

10:10 – 10:30 **Flash talks (1-3)**
Nanopatterned ligand presentation as an in vitro tool (presenter: Duncan S. Sutherland)
The requirements for a self-reactive B cell clone to initiate autoimmune disease (presenter: Kristian Savstrup Kastberg)
The diagnostic value of circulating cell-free HPV DNA in plasma from cervical cancer patients (presenter: Sara Bønløkke)

10:30 – 11:00 Coffee break

SESSION 2 (chair: Søren E. Degn)

- 11:00 – 11:30 **Keynote: Follicular dendritic cells; neglected regulators** Balthasar Heesters, Assistant Professor, Utrecht University, The Netherlands
- 11:30 – 11:45 **Complement activation in Systemic Lupus Erythematosus** Anne Trolborg, Assistant Professor, Dept. of Biomedicine and Clinical Medicine (Rheumatology), Aarhus University
- 11:45 – 12:15 **Flash talks (4-7)**
 IRF3-induced metabolic rewiring mediates endothelial cell Inflammation (presenter: Julie Christensen)
 Investigation of cancer-associated fibroblast subtypes in the tumor immune microenvironment of localized prostate cancer (presenter: Marcus Blanke)
 Effect of dyslipidemia on periodontitis: A structural equation modelling approach (presenter: Fernando Valentim Bitencourt)
 Prevention of oxaliplatin-induced peripheral neuropathy – a randomized controlled trial (presenter: Nina Lykkegaard Gehr)
- 12:15 – 13:00 Lunch break

SESSION 3 (chair: Joanna Kalucka)

- 13:00 – 13:30 **Keynote: Novel targets for cancer immunotherapy** Sunil Kumar Saini, Associate Professor, Dept. of Health Technology, Technical University of Denmark
- 13:30 – 13:45 **Prostate tumor environment and its microbial composition** Jacob, Assistant Professor, Dept. of Clinical Medicine (Molecular Medicine), Aarhus University
- 13.45 – 14.15 **Flash talks (8-11)**
 Exploring the innate immune system; C-type lectins and their interactions with patterns of carbohydrate on bacteria (presenter: Kirstine Mejlstrup Hymøller)
 IFN λ 1 is a STING-Dependent Mediator of DNA-Damage-Induced Immune Activation in Lung Cancer (presenter: Kristine Raaby Gammelgaard)
 The roles of autophagy in patients with critical COVID-19 (presenter: Lili Hu)
 Faecal microbiota transplantation to prevent complications, progression, and mortality of cirrhosis (presenter: Lotte Lindgreen Eriksen)
- 14:15 – 14:45 Coffee break

SESSION 4 (chair: Thomas Vorup-Jensen)

- 14:45 – 15:15 **Keynote: Environment and inflammation - underlying mechanisms** Karin Broberg, Professor, Lund University and Karolinska Institutet, Sweden
- 15:15 – 15:30 **Lifestyle and biomarkers in Danish blood donors** Bertram Kjerulff, PhD student, Dept. of Clinical Medicine (Clinical Immunology), Aarhus University
- 15:30 – 16:00 **Flash talks (12-14)**
- Invasive Group-B Streptococcus disease in the neonatal period and risk of epilepsy – a population-based cohort study (presenter: Malene Lykke)
- Stroma-derived subtypes predict recurrence and reveal distinct pathways in prostate cancer (presenter: Martin Rasmussen)
- Paragenetic inheritance of autoimmunity and neuropsychiatric sequelae (presenter: Sofie Vestergaard Fonager)
- 16:00 – 16:10 **Awards and closing remarks** Trine Mogensen, Managing Professor of the Inflammation Network